



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12861838
SAU: Maranacook CSD
School: Maranacook Community Middle Sc

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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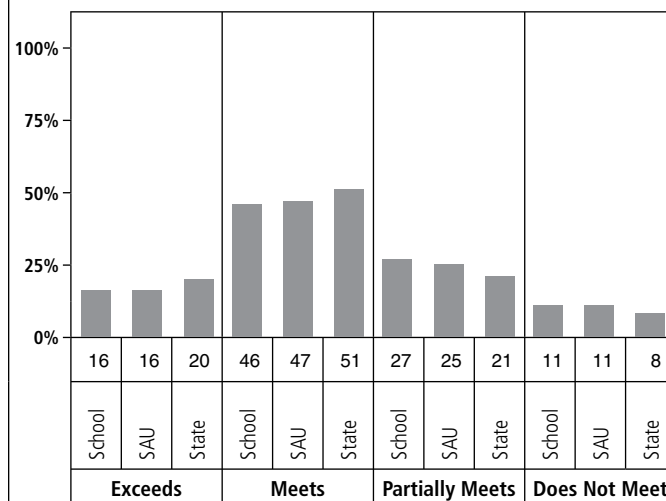
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle Sc

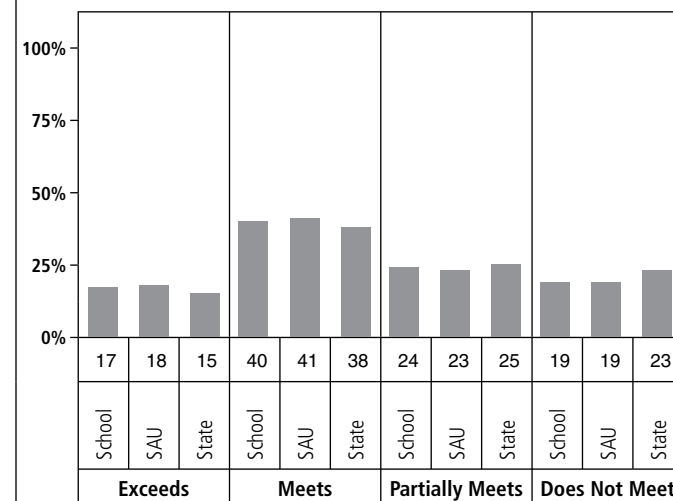
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	846	846	847
2007–2008	845	846	849
2008–2009	848	848	850
Cum. Avg.*	846	847	849
Mathematics			
2006–2007	842	842	842
2007–2008	839	840	841
2008–2009	844	844	843
Cum. Avg.*	842	842	842
Science			
2008–2009 **	844	844	846

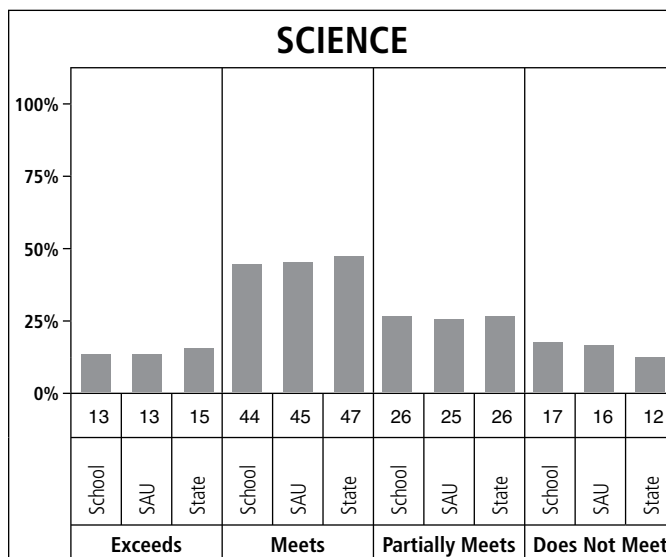
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle Sc

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	95	100	94	100	14804	100	95	100	94	100	14659	99	95	100	94	100	14653	99	95	100	94	100	14626	99
Ethnicity African American/Black	1	1	1	1	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	2	2	2	2	238	2	2	100	2	100	232	97	2	100	2	100	234	98	2	100	2	100	234	98
Hispanic	1	1	1	1	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	91	96	90	96	13878	94	91	100	90	100	13756	99	91	100	90	100	13742	99	91	100	90	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	11	12	12	13	2489	17	11	100	12	100	2434	99	11	100	12	100	2424	98	11	100	12	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	27	28	27	29	5460	37	27	100	27	100	5380	99	27	100	27	100	5377	99	27	100	27	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	86	91	84	89	12132	82	86	91	84	89	12124	82	86	91	84	89	12169	82
Identified disability (PET/IEP)	2	2	2	2	379	3	2	2	2	2	380	3	2	2	2	2	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
Participation with accommodations	7	7	7	7	2349	16	7	7	7	7	2347	16	7	7	7	7	2288	15
Identified disability (PET/IEP)	7	100	7	100	1877	80	7	100	7	100	1862	79	7	100	7	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	2	2	3	3	178	1	2	2	3	3	182	1	2	2	3	3	169	1
Identified disability (PET/IEP)	2	100	3	100	178	100	2	100	3	100	182	100	2	100	3	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle Sc

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	18	16	17	15	2407	16
	2007-2008	17	15	17	16	3428	23
	2008-2009	15	16	15	16	2857	20
	Cum. Total*	50	15	49	16	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	56	49	53	48	7494	49
	2007-2008	51	44	47	44	7179	48
	2008-2009	43	46	43	47	7431	51
	Cum. Total*	150	46	143	46	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	28	24	27	25	3628	24
	2007-2008	29	25	27	25	2706	18
	2008-2009	25	27	23	25	2979	21
	Cum. Total*	82	25	77	25	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	13	11	13	12	1810	12
	2007-2008	18	16	17	16	1611	11
	2008-2009	10	11	10	11	1214	8
	Cum. Total*	41	13	40	13	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	34.0	60.7	34.1	60.9	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.7	58.5	11.8	59.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	22.3	61.9	22.4	62.2	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle Sc

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	93	15	16	43	46	25	27	10	11	848	91	16	47	25	11	848	14481	20	51	21	8	850
Ethnicity																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	2										2						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	89	14	16	43	48	22	25	10	11	848	87	16	49	23	11	848	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	9	1	11	2	22	2	22	4	44	836	9	11	22	22	44	836	2256	2	25	40	34	834
No	84	14	17	41	49	23	27	6	7	849	82	17	50	26	7	849	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	93	15	16	43	46	25	27	10	11	848	91	16	47	25	11	848	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	26	1	4	10	38	7	27	8	31	839	25	4	40	24	32	839	5277	10	46	29	15	844
No	67	14	21	33	49	18	27	2	3	851	66	21	50	26	3	851	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	93	15	16	43	46	25	27	10	11	848	91	16	47	25	11	848	14476	20	51	21	8	850
Gender																						
Female	39	8	21	16	41	10	26	5	13	848	38	21	42	24	13	848	7074	25	51	18	6	852
Male	54	7	13	27	50	15	28	5	9	848	53	13	51	26	9	848	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	93	15	16	43	46	25	27	10	11	848	91	16	47	25	11	848	13624	20	52	20	8	850
Gifted/talented program																						
Yes	5	4	80	1	20	0	0	0	0	865	5	80	20	0	0	865	700	69	30	1	0	867
No	88	11	13	42	48	25	28	10	11	847	86	13	49	27	12	847	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle Sc

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	12	0	0	4	36	3	27	4	36	837	12	0	36	27	36	837	8	8	39	29	24	841
B. less than one hour	41	5	13	15	39	13	34	5	13	844	41	14	41	32	14	845	51	17	53	22	8	849
C. one to two hours	42	7	18	22	56	9	23	1	3	852	42	18	58	21	3	852	36	24	52	18	5	852
D. more than two hours	5	3	60	2	40	0	0	0	0	864	5	60	40	0	0	864	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	39	10	28	18	50	7	19	1	3	854	38	29	51	17	3	854	31	35	50	11	4	856
B. good	34	5	16	14	44	10	31	3	9	848	34	16	45	29	10	848	47	16	55	21	7	849
C. fair	22	0	0	8	40	8	40	4	20	839	22	0	40	40	20	839	18	5	47	33	15	842
D. poor	5	0	0	3	60	0	0	2	40	840	5	0	60	0	40	840	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	29	5	19	12	46	8	31	1	4	849	27	21	50	25	4	850	32	27	54	14	5	853
B. They match some of what I have learned.	54	9	18	24	49	11	22	5	10	849	55	18	49	22	10	849	52	18	53	22	8	850
C. They match just a little of what I have learned.	13	1	8	7	58	4	33	0	0	850	13	8	58	33	0	850	12	11	45	29	15	844
D. There is no match.	4	0	0	0	0	1	25	3	75	820	4	0	0	25	75	820	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	17	0	0	6	38	6	38	4	25	838	18	0	38	38	25	838	15	13	42	28	17	844
B. about the same as my regular schoolwork	59	9	17	28	52	14	26	3	6	849	60	17	52	26	6	849	64	19	53	20	7	850
C. easier than my regular schoolwork	24	6	27	9	41	4	18	3	14	852	22	30	45	10	15	853	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	0	0	3	33	5	56	1	11	840	10	0	33	56	11	840	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	47	4	10	23	55	10	24	5	12	846	48	10	55	24	12	846	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	43	11	29	15	39	9	24	3	8	852	41	31	42	19	8	853	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	34	2	6	15	48	11	35	3	10	846	33	7	52	31	10	847	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	56	11	22	25	49	11	22	4	8	849	57	22	49	22	8	849	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	10	2	22	3	33	2	22	2	22	846	10	22	33	22	22	846	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	32	5	17	14	47	8	27	3	10	850	32	17	48	24	10	850	19	26	53	15	6	853
B. 20 minutes to an hour	40	8	22	18	49	7	19	4	11	849	41	22	49	19	11	849	40	25	52	17	6	852
C. less than 20 minutes	12	2	18	2	18	5	45	2	18	839	12	18	18	45	18	839	15	18	51	21	10	849
D. I rarely read at home.	16	0	0	9	60	5	33	1	7	846	15	0	64	29	7	846	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	48	8	18	18	41	13	30	5	11	848	48	19	42	28	12	848	42	27	51	15	6	853
B. agree	46	7	17	22	52	10	24	3	7	849	46	17	54	22	7	849	50	15	53	23	9	848
C. disagree	3	0	0	1	33	1	33	1	33	835	3	0	33	33	33	835	7	8	46	32	14	843
D. strongly disagree	3	0	0	1	33	1	33	1	33	838	3	0	33	33	33	838	2	6	39	35	21	840
Optional school/SAU question																						
A.	50	0	0	1	50	0	0	1	50	835	50	0	50	0	50	835						
B.	0										0											
C.	0										0											
D.	50	0	0	0	0	1	50	1	50	828	50	0	0	50	50	828						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle Sc

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	15	13	15	14	1952	13
	2007-2008	11	10	11	10	1657	11
	2008-2009	16	17	16	18	2116	15
	Cum. Total*	42	13	42	14	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	51	44	48	43	5870	38
	2007-2008	46	40	44	41	5956	40
	2008-2009	37	40	37	41	5443	38
	Cum. Total*	134	41	129	42	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	22	19	20	18	3982	26
	2007-2008	24	21	21	19	3729	25
	2008-2009	22	24	21	23	3556	25
	Cum. Total*	68	21	62	20	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	28	24	28	25	3534	23
	2007-2008	34	30	32	30	3579	24
	2008-2009	18	19	17	19	3356	23
	Cum. Total*	80	25	77	25	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	29.2	52.1	29.4	52.5	28.6	51.1
A. Number	8	14	3.4	42.5	3.5	43.8	3.7	46.3
B. Data	16	29	9.6	60.0	9.7	60.6	8.9	55.6
C. Geometry	12	21	4.7	39.2	4.7	39.2	5.0	41.7
D. Algebra	20	36	11.4	57.0	11.5	57.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle Sc

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	93	16	17	37	40	22	24	18	19	844	91	18	41	23	19	844	14471	15	38	25	23	843
Ethnicity																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	2										2						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	89	15	17	36	40	21	24	17	19	843	87	17	41	23	18	844	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	9	2	22	2	22	1	11	4	44	836	9	22	22	11	44	836	2242	2	12	22	63	824
No	84	14	17	35	42	21	25	14	17	844	82	17	43	24	16	845	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	93	16	17	37	40	22	24	18	19	844	91	18	41	23	19	844	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	26	3	12	10	38	5	19	8	31	838	25	12	40	16	32	838	5270	6	30	28	36	835
No	67	13	19	27	40	17	25	10	15	846	66	20	41	26	14	846	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	93	16	17	37	40	22	24	18	19	844	91	18	41	23	19	844	14466	15	38	25	23	843
Gender																						
Female	39	4	10	15	38	9	23	11	28	839	38	11	39	21	29	839	7070	15	39	25	22	843
Male	54	12	22	22	41	13	24	7	13	847	53	23	42	25	11	847	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	93	16	17	37	40	22	24	18	19	844	91	18	41	23	19	844	13614	15	38	24	22	843
Gifted/talented program																						
Yes	5	4	80	1	20	0	0	0	0	870	5	80	20	0	0	870	700	68	27	3	1	866
No	88	12	14	36	41	22	25	18	20	842	86	14	42	24	20	842	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle Sc

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	12 41 42 5	2 3 9 2	18 8 23 40	3 16 15 3	27 42 38 60	2 12 8 0	18 32 21 0	4 7 7 0	36 18 18 0	835 840 847 861	12 41 42 5	18 8 24 40	27 43 39 60	18 30 21 0	36 19 16 0	835 840 847 861	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	32 37 26 5	12 4 0 0	40 12 0 0	13 17 7 0	43 50 29 0	4 8 8 2	13 24 33 40	1 5 9 3	3 15 38 60	856 844 832 822	33 37 24 5	40 12 0 0	43 50 32 0	13 24 32 40	3 15 36 60	856 844 832 822	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	25 58 12 5	4 8 4 0	17 15 36 0	10 24 2 1	43 44 18 20	6 12 3 1	26 22 27 20	3 10 2 3	13 19 18 60	846 843 849 822	24 58 12 5	18 15 36 0	45 45 18 20	27 21 27 20	9 19 18 60	847 843 849 822	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	33 49 18	4 3 8	13 7 50	9 20 7	30 45 44	8 13 1	27 30 6	9 8 0	30 18 0	838 841 861	34 48 18	13 7 50	30 48 44	27 29 6	30 17 0	838 842 861	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	34 56 10	2 11 3	7 22 33	14 21 1	47 42 11	7 12 3	23 24 33	7 6 2	23 12 22	841 846 846	33 56 10	7 22 33	48 43 11	24 22 33	21 12 22	841 847 846	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	65 23 8 4	11 3 1 1	18 14 14 25	23 8 4 2	38 38 57 50	16 4 0 1	27 19 0 25	10 6 2 0	17 29 29 0	844 843 841 853	64 23 8 4	19 14 14 25	40 38 57 50	26 19 0 25	16 29 29 0	844 843 841 853	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	1 5 32 62	0 1 6 9	0 20 21 16	0 2 12 23	0 40 41 40	0 0 8 14	0 0 28 25	1 2 3 11	100 40 10 19	818 840 847 843	1 6 31 62	0 20 21 16	0 40 43 41	0 40 29 23	100 40 7 20	818 840 848 843	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	55 33 9 3	10 3 2 1	20 10 25 33	22 13 2 0	43 42 25 0	14 5 2 1	27 16 25 33	5 10 2 1	10 32 25 33	847 838 843 843	55 34 8 3	20 10 29 33	44 42 29 0	28 16 14 33	8 32 29 33	847 838 845 843	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
Optional school/SAU question A. B. C. D.	50 0 0 50	1 0	50 0	0 1	0 50	1 0	50 0	0 1	0 50	846 839	50 0 0 50	50 0	0 50	0 0	0 50	846 839						

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Maranacook CSD
School: Maranacook Community Middle Sc

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	12	13	12	13	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	41	44	41	45	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	24	26	23	25	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	16	17	15	16	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	30.7	54.8	30.9	55.2	32.0	57.1
D. The Physical Setting	31	55	16.4	52.9	16.5	53.2	17.1	55.2
D1/D2 Earth/Space	17	30	9.1	53.5	9.2	54.1	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.3	52.1	7.3	52.1	7.7	55.0
E. The Living Environment	25	45	14.3	57.2	14.4	57.6	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	93	12	13	41	44	24	26	16	17	844	91	13	45	25	16	844	14263	15	47	26	12	846
Ethnicity																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	2										2						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	89	11	12	39	44	23	26	16	18	844	87	13	45	25	17	844	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	9	2	22	4	44	0	0	3	33	840	9	22	44	0	33	840	2221	3	22	36	38	832
No	84	10	12	37	44	24	29	13	15	844	82	12	45	28	15	844	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	93	12	13	41	44	24	26	16	17	844	91	13	45	25	16	844	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	26	1	4	13	50	5	19	7	27	838	25	4	52	20	24	838	5184	6	40	33	21	840
No	67	11	16	28	42	19	28	9	13	846	66	17	42	27	14	846	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	93	12	13	41	44	24	26	16	17	844	91	13	45	25	16	844	14258	15	47	26	12	846
Gender																						
Female	39	1	3	16	41	12	31	10	26	838	38	3	42	32	24	839	6953	14	47	28	11	846
Male	54	11	20	25	46	12	22	6	11	848	53	21	47	21	11	848	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	93	12	13	41	44	24	26	16	17	844	91	13	45	25	16	844	13435	16	48	25	12	846
Gifted/talented program																						
Yes	5	3	60	2	40	0	0	0	0	868	5	60	40	0	0	868	699	65	34	2	0	865
No	88	9	10	39	44	24	27	16	18	842	86	10	45	27	17	843	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 8
 SAU: Maranacook CSD
 School: Maranacook Community Middle Sc

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	12	0	0	5	45	3	27	3	27	836	12	0	45	27	27	836	8	8	34	28	30	837
B. less than one hour	41	5	13	13	34	12	32	8	21	841	41	14	35	32	19	841	51	14	48	27	11	846
C. one to two hours	42	5	13	20	51	9	23	5	13	847	42	13	53	21	13	847	36	19	48	24	9	848
D. more than two hours	5	2	40	3	60	0	0	0	0	860	5	40	60	0	0	860	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	13	4	33	6	50	1	8	1	8	854	13	33	50	8	8	854	23	27	47	17	8	851
B. good	53	7	14	22	45	13	27	7	14	845	52	15	47	26	13	846	53	15	50	26	10	847
C. fair	26	1	4	12	50	8	33	3	13	842	27	4	50	33	13	842	20	4	43	35	18	840
D. poor	8	0	0	1	14	2	29	4	57	823	8	0	14	29	57	823	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	14	1	8	8	62	3	23	1	8	843	14	8	62	23	8	843	26	20	49	23	9	849
B. They match some of what I have learned.	46	6	14	19	45	11	26	6	14	845	46	15	46	27	12	846	51	14	48	26	11	846
C. They match just a little of what I have learned.	33	5	17	12	40	8	27	5	17	846	32	17	41	24	17	846	18	13	44	28	15	844
D. There is no match.	8	0	0	2	29	2	29	3	43	831	8	0	29	29	43	831	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	36	3	9	17	53	8	25	4	13	845	37	9	53	25	13	845	32	13	45	28	14	844
B. about the same as my regular schoolwork	57	8	16	19	38	12	24	11	22	843	56	16	39	24	20	843	56	15	49	25	11	847
C. easier than my regular schoolwork	7	1	17	3	50	2	33	0	0	849	7	17	50	33	0	849	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	4	11	18	51	10	29	3	9	846	40	11	51	29	9	846	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	51	7	15	20	43	11	24	8	17	844	50	16	45	23	16	845	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	10	1	11	2	22	3	33	3	33	838	10	11	22	33	33	838	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	41	2	5	19	50	11	29	6	16	842	41	5	51	27	16	842	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	12	1	9	3	27	3	27	4	36	835	11	10	30	30	30	836	23	17	49	22	12	847
C. the course(s) described in B, plus physics	30	9	32	15	54	3	11	1	4	855	31	32	54	11	4	855	21	31	44	17	7	852
D. a life science and physical science class	16	0	0	4	27	7	47	4	27	838	17	0	27	47	27	838	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	24	2	9	10	45	3	14	7	32	840	24	9	45	14	32	840	27	23	47	20	10	849
B. agree	40	9	24	17	46	7	19	4	11	849	39	26	49	17	9	850	37	14	47	27	12	846
C. disagree	26	1	4	13	54	8	33	2	8	845	27	4	54	33	8	845	25	11	48	29	12	845
D. strongly disagree	10	0	0	1	11	6	67	2	22	833	10	0	11	67	22	833	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	30	4	14	11	39	7	25	6	21	842	31	14	39	25	21	842	31	22	46	22	10	849
B. agree	49	7	16	21	47	12	27	5	11	847	48	16	49	26	9	848	50	14	49	26	11	846
C. disagree	16	1	7	6	40	4	27	4	27	839	17	7	40	27	27	839	14	9	45	31	15	843
D. strongly disagree	4	0	0	2	50	1	25	1	25	834	4	0	50	25	25	834	5	3	38	34	25	837
Optional school/SAU question																						
A.	50	0	0	1	50	1	50	0	0	843	50	0	50	50	0	843						
B.	0										0											
C.	0										0											
D.	50	0	0	1	50	1	50	0	0	843	50	0	50	50	0	843						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number